FIG. 1 **CONVENTIONAL ART** 5 Protocol and Application Layers Software **Data Packets** 30 **MAC** Driver Register Read/Write **Data Packets** request 40 **MAC** Device Register Read/Write **Data Packets** request Media Independent ر 42 MDIO Interface (MI) Hardware Register Read/Write **Data Packets** request 45 Register(s) **PHY Device** Data Signals 60

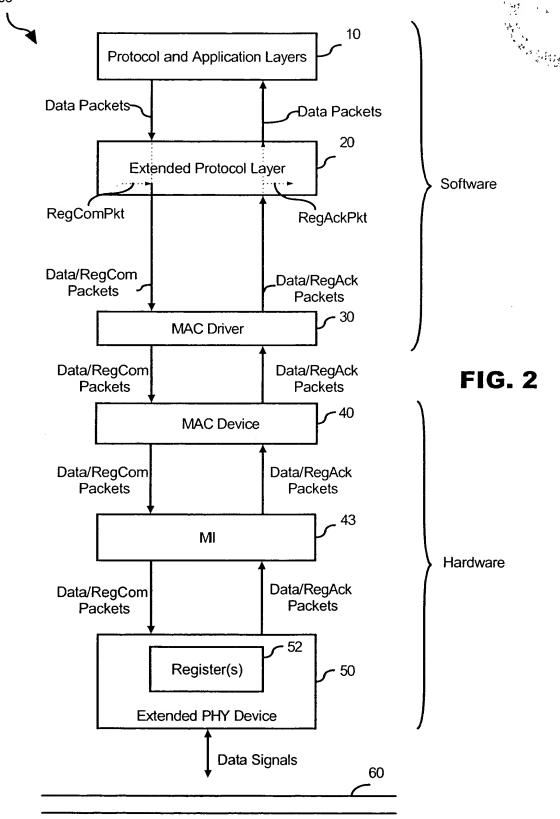
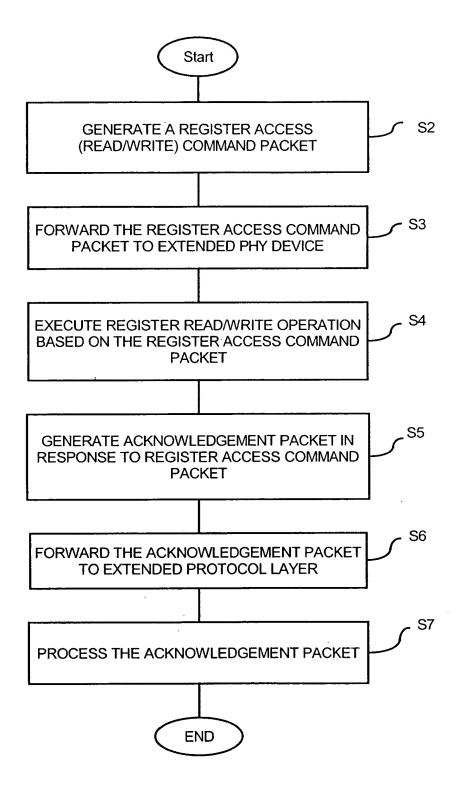


FIG. 3



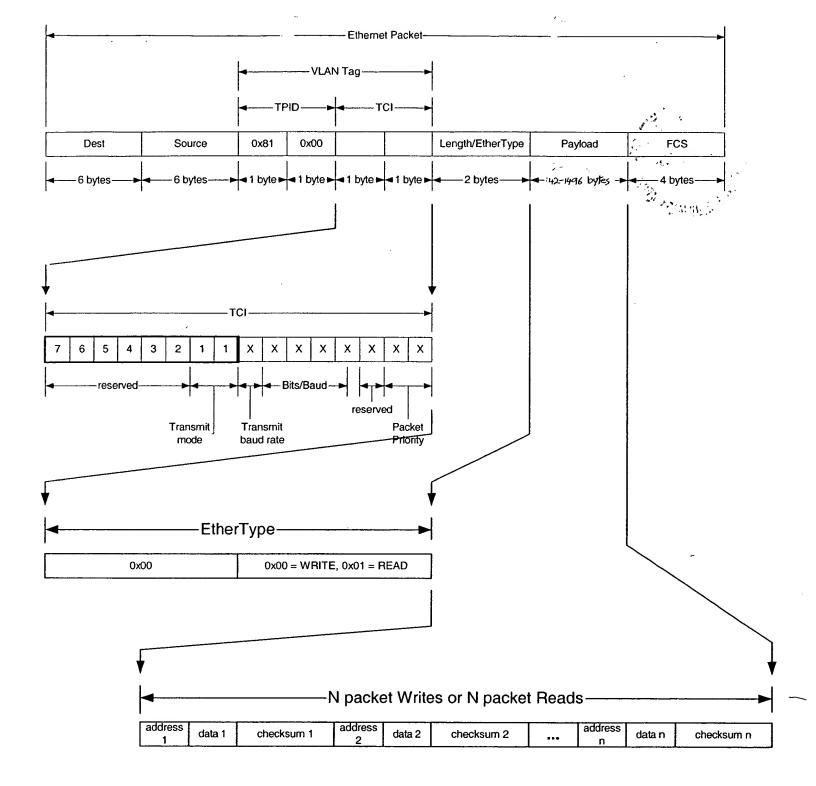


FIGURE 4